Request a Quote

(800) 775-6525 Fax: (800) 421-2923
engineering@marcorubber.com
www.marcorubber.com

ΩHMERICS Compound# F1016

Silver Aluminum Filled Fluorosilicone EMI RFI Shielding Conductive Elastomer

This compound was primarily developed for use in military applications. This material will provide excellent shielding in a harsh environment. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:

- Provides high shielding effectiveness
- Excellent in a harsh corrosive environment
- Recommended for ship board and flight line applications

Limitations:

- Not recommended where mechanical strength and low temperatures are required.
- Should not be used around brake fluids, ketones, hydrazine, adelhydes, amines, ketones

TYPICAL PHYSICAL PROPERTIES

Typical Use or Specification	Commercial and MIL-DTL-83528 Type D	
Elastomer Binder	Fluorosilicone	
Conductive Filler	Silver plated Aluminum	
Color	Blue/Tan	
ORIGINAL PROPERTIES	**Test Procedure**	**Typical Value**
Durometer, Shore A	ASTM D2240	70
Tensile Strength, Min., psi	ASTM D412	180
Ultimate Elongation, Min., %	ASTM D412	60
Specific Gravity, ASTM D297	ASTM D792	2.0
Compression Set, % (70 hrs. @ 100°C)	ASTM D395	30
Compression/Deflection %	ASTM D575	3.5
Tear Strength, Min., lbs/in	ASTM D624	30
Operating Temperature Range °C	ASTM D1329	-55 to +160
Volume Resistivity, Ohm-cm	Mil-DTL 83528	0.012
Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db	Mil-DTL 83528	115 to 120